

Common Sense Initiative, Automobile Manufacturing Sector

***U.S. Automobile Assembly Plants and Their Communities:
Environmental Economic, and Demographic Profile***

**Part III: Automobile/Light Duty Truck Assembly
Plant-Community Profiles**

**43. Honda
E. Liberty, OH**

December 1997

Contents and Guidelines for Use

Users of this profile should carefully review the description of methods, data limitations, and guidelines for use and interpretation of the data presented in Part I of the report.

Contents:

Plant Locations (National and Michigan maps)
Plant Location, Database Identification Numbers, 1994 Production and Employment
1991 and 1993 RCRA Biennial Report Summary
1991-1994 TRI Releases and Transfers Summary
1994 TRI Releases and Transfers by Chemical
1991-1994 Volatile Organic Compound and Nitrogen Oxide Emissions
1994 Summary of TRI Chemical Releases and Transfers from Sources within 3 Miles of Assembly Plant
Air Quality Attainment Status for Criteria Pollutants (as of 1994)
Community Demographic and Economic Characteristics
Facility Location (map)
Area Wide 1994 TRI Emission Profile (map)
1994 TRI Releases and Transfers from Sources within 3 Miles of Assembly Plant, by Chemical
Demographic Characteristics (maps)

General Guidelines for Use

Efforts have been made to ensure that the data presented here are accurate. The Project Team could not independently verify data accuracy in all cases, however, and some errors may remain. The following is a partial list of factors that should be considered in using these profiles:

1. Current releases presented in this report represent only some of the contamination sources in a given area. Data on historical releases (prior to 1991) were not included, and releases from non-assembly plant emission sources were identified only through the Toxics Release Inventory (TRI). TRI data do not cover all sources of releases. Considering only TRI data for a given community may mis-state the relative contribution of plants and their neighboring TRI facilities to an area's total releases.
2. Care must be taken to distinguish true changes over time in environmental releases from apparent changes, due, for example, to changes in the scope of reporting requirements.
3. TRI data are often based on engineering estimates and are reported on an annual basis. Data on releases over shorter time frames are not available.
4. TRI, the Biennial Report and other databases do not include all substances and environmental releases of concern.

Notes on Comparisons Across Facilities

1. The following factors can affect an assembly plant's environmental profile, among other things: the number of vehicles produced, plant age, process equipment age, and vehicle size and configuration.
2. Some plants are highly-integrated, performing some parts and all assembly steps in-house. Others obtain parts from other manufacturing facilities, or share assembly operations with another plant.
3. States differ in how they define hazardous waste and how they treat recycled wastes and small quantity generators. Therefore, data on quantities of BRS wastes generated may not be comparable for plants located in different states.
4. Area-wide averages for economic and demographic characteristics may be better or worse measures of the plant's immediate community, depending on the specific location of a plant within the reporting area.

12/2/97

PLANT ENVIRONMENTAL PROFILE								
RCRA BIENNIAL REPORT								
Waste Code(s)	Wastewater?	Physical Form	Source	Mgd. On/Off-Site	Management Method	Quantity Generated (tons)	Quantity Shipped (tons)	Quantity Mgd. On-Site (tons)
1991								
D001 (ignitable) D018 (benzene)	?	Not rep't	Not rep't	Off	Not rep't	0.4	0.4	0.0
D001 (ignitable) D039 (tetrachlrethylene)	?	Not rep't	Not rep't	Off	Not rep't	0.7	0.7	0.0
D001(ignit) F003 (solvents)	?	Not rep't	Not rep't	Off	Not rep't	635.0	635.0	0.0
D001, D035, F003	?	Not rep't	Not rep't	Off	Not rep't	1.0	1.0	0.0
D008 (lead) D009 (mercury)	?	Not rep't	Not rep't	Off	Not rep't	6.0	6.0	0.0
D008 (lead) D009 (mercury)	?	Not rep't	Not rep't	Off	Not rep't	1.5	1.5	0.0
F002 (halog. solvents)	?	Not rep't	Not rep't	Off	Not rep't	1.8	1.8	0.0
F002 (halog. solvents)	?	Not rep't	Not rep't	Off	Not rep't	64.0	64.0	0.0
F002, F003, F005 (solvents)	?	Not rep't	Not rep't	Off	Not rep't	0.4	0.4	0.0
F003 (nonhalog. solvents)	?	Not rep't	Not rep't	Off	Not rep't	0.4	0.4	0.0
TOTAL - 1991						711.3	711.3	0.0
(continued)								

**Plant-Community Profile:
Honda
East Liberty OH**

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PLANT ENVIRONMENTAL PROFILE (continued)

RCRA BIENNIAL REPORT (continued)

<i>Waste Code(s)</i>	<i>Wastewater?</i>	<i>Physical Form</i>	<i>Source</i>	<i>Mgd. On/Off-Site</i>	<i>Management Method</i>	<i>Quantity Generated (tons)</i>	<i>Quantity Shipped (tons)</i>	<i>Quantity Mgd. On-Site (tons)</i>
1993								
D001 (ignitable)	?	Not rep't	Not rep't	Off	Not rep't	0.3	0.3	0.0
D001 (ignitable)	?	Not rep't	Not rep't	Off	Not rep't	1.3	1.3	0.0
D001 (ignitable)	?	Not rep't	Not rep't	Off	Not rep't	1.5	1.5	0.0
D001 (ignitable) F005 (solvents)	?	Not rep't	Not rep't	Off	Not rep't	21.0	21.0	0.0
D001 (ignitable) F005 (solvents)	?	Not rep't	Not rep't	Off	Not rep't	0.5	0.5	0.0
D001(ignitable) D039 (tetrochlethylene)	?	Not rep't	Not rep't	Off	Not rep't	2.4	2.4	0.0
D001(ignitable) F003 (solvents)	?	Not rep't	Not rep't	Off	Not rep't	337.0	337.0	0.0
D001(ignitable) F003 (solvents)	?	Not rep't	Not rep't	Off	Not rep't	25.0	25.0	0.0
D008 (lead)	?	Not rep't	Not rep't	Off	Not rep't	4.3	4.3	0.0
D008 (lead)	?	Not rep't	Not rep't	Off	Not rep't	172.0	172.0	0.0
F001, F002 (halog. solvents)	?	Not rep't	Not rep't	Off	Not rep't	141.0	141.0	0.0
F002 (halog. solvents)	?	Not rep't	Not rep't	Off	Not rep't	24.2	24.2	0.0
F002 (halog. solvents)	?	Not rep't	Not rep't	Off	Not rep't	34.0	34.0	0.0
F003 (non-halog solvents)	?	Not rep't	Not rep't	Off	Not rep't	39.0	39.0	0.0
TOTAL - 1993						803.4	803.4	0.0

TOXICS RELEASE INVENTORY

	<i>Air-Fugitive Emissions</i>	<i>Air-Stack Emissions</i>	<i>Total Releases</i>	<i>Discharge to POTW</i>	<i>Off-Site Energy Recovery</i>	<i>Off-Site Recycling</i>	<i>Off-Site Treatment</i>	<i>Off-Site Disposal</i>	<i>Total Transfers</i>
Total lbs of TRI chemicals:									
1991	108,785	550,095	658,880	13,950	1,140,870	130,800	1,590	25,440	1,312,650
1992	130,665	434,975	565,640	18,845	967,550	244,750	3,035	34,975	1,269,155
1993	154,290	313,630	467,920	2,279	611,624	235,830	1,555	36,633	887,921
1994	128,650	363,060	491,710	1,030	450,695	230,700	2,280	35,110	719,815
Lbs. per vehicle produced:									
1991	1.15	5.84	6.99	0.15	12.11	1.39	0.02	0.27	13.93
1992	1.12	3.74	4.86	0.16	8.32	2.10	0.03	0.30	10.91
1993	1.28	2.60	3.88	0.02	5.07	1.95	0.01	0.30	7.35
1994	0.93	2.63	3.56	0.01	3.26	1.67	0.02	0.25	5.21

**Plant-Community Profile:
Honda
East Liberty OH**

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PLANT ENVIRONMENTAL PROFILE (continued)

1994 TRI Emissions/Releases by Chemical (lbs.)

Chemical Name	Air-Fugitive Emissions	Air-Stack Emissions	Total Releases	Discharge to POTW	Off-Site Energy Recovery	Off-Site Recycling	Off-Site Treatment	Off-Site Disposal	Total Transfers
METHANOL	1,400	20,340	21,740	0	2,040	0	0	0	2,040
N-BUTYL ALCOHOL	250	26,200	26,450	0	4,050	0	0	0	4,050
BENZENE	250	0	250	0	5	0	5	5	15
1,1,1-TRICHLOROETHANE	92,300	3,570	95,870	250	0	220,800	250	0	221,300
DICHLOROMETHANE	250	0	250	5	0	0	0	0	5
METHYL ETHYL KETONE	3,900	31,100	35,000	0	750	0	10	10	770
NAPHTHALENE	250	3,930	4,180	0	250	0	0	0	250
1,2,4-TRIMETHYLBENZENE	250	750	1,000	0	4,470	0	0	0	4,470
CUMENE	5	250	255	0	250	0	0	0	250
ETHYLBENZENE	1,090	30,200	31,290	5	68,400	500	0	0	68,905
ETHYLENE GLYCOL	750	0	750	5	0	0	0	0	5
METHYL ISOBUTYL KETONE	5	250	255	0	250	0	0	0	250
TOLUENE	15,300	26,400	41,700	5	12,970	500	0	0	13,475
1,4-DIOXANE	3,800	250	4,050	0	0	6,880	250	0	7,130
XYLENE (MIXED ISOMERS)	6,060	140,000	146,060	0	356,500	250	0	255	357,005
METHYL TERT-BUTYL ETHER	5	0	5	0	5	0	0	0	5
COPPER	5	0	5	0	0	1,260	5	9,690	10,955
HYDROCHLORIC ACID	250	0	250	0	0	0	0	0	0
PHOSPHORIC ACID	250	0	250	0	0	0	0	0	0
NITRIC ACID	250	0	250	0	0	0	0	0	0
CHLORINE	5	0	5	0	0	0	0	0	0
CHROMIUM COMPOUNDS	0	0	0	5	0	0	255	255	515
GLYCOL ETHERS	2,010	79,820	81,830	0	750	0	0	0	750
LEAD COMPOUNDS	0	0	0	5	0	250	255	500	1,010
MANGANESE COMPOUNDS	5	0	5	250	0	5	250	3,995	4,500
NICKEL COMPOUNDS	5	0	5	250	0	5	250	3,715	4,220
ZINC COMPOUNDS	5	0	5	250	5	250	750	16,685	17,940

TOTAL	128,650	363,060	491,710	1,030	450,695	230,700	2,280	35,110	719,815
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**VOC/NOx Emissions:
(lbs/year)**

	VOCs	NOx
1990	826,280	NA
1991	NA	NA
1992	NA	NA
1993	NA	NA
1994	NA	NA

Plant-Community Profile:
Honda
East Liberty OH

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COMMUNITY ENVIRONMENTAL PROFILE

TRI Chemical Releases & Transfers from Sources Within 3 Miles of Auto/LDT Plant (lbs.)

<i>Facility (w. map #)</i>	<i>Air-Fugitive Emissions</i>	<i>Air-Stack Emissions</i>	<i>Total Releases</i>	<i>Discharge to POTW</i>	<i>Off-Site Transfers</i>	<i>Total Transfers</i>
2 FLUID POWER IND. HARDING MACHIN	0	42,600	42,600	0	15,105	15,105
Total	0	42,600	42,600	0	15,105	15,105

Air Quality Attainment Status
(as of 1994)*

ozone - attainment or unclassifiable
carbon monoxide - attainment or unclassifiable
particulates - unclassifiable
lead - unclassifiable
NO2 - cannot be classified or better than national standards
SO2 - attainment

* no changes in designations occurred between 1994 and 1996

Plant-Community Profile:
Honda
E. Liberty OH

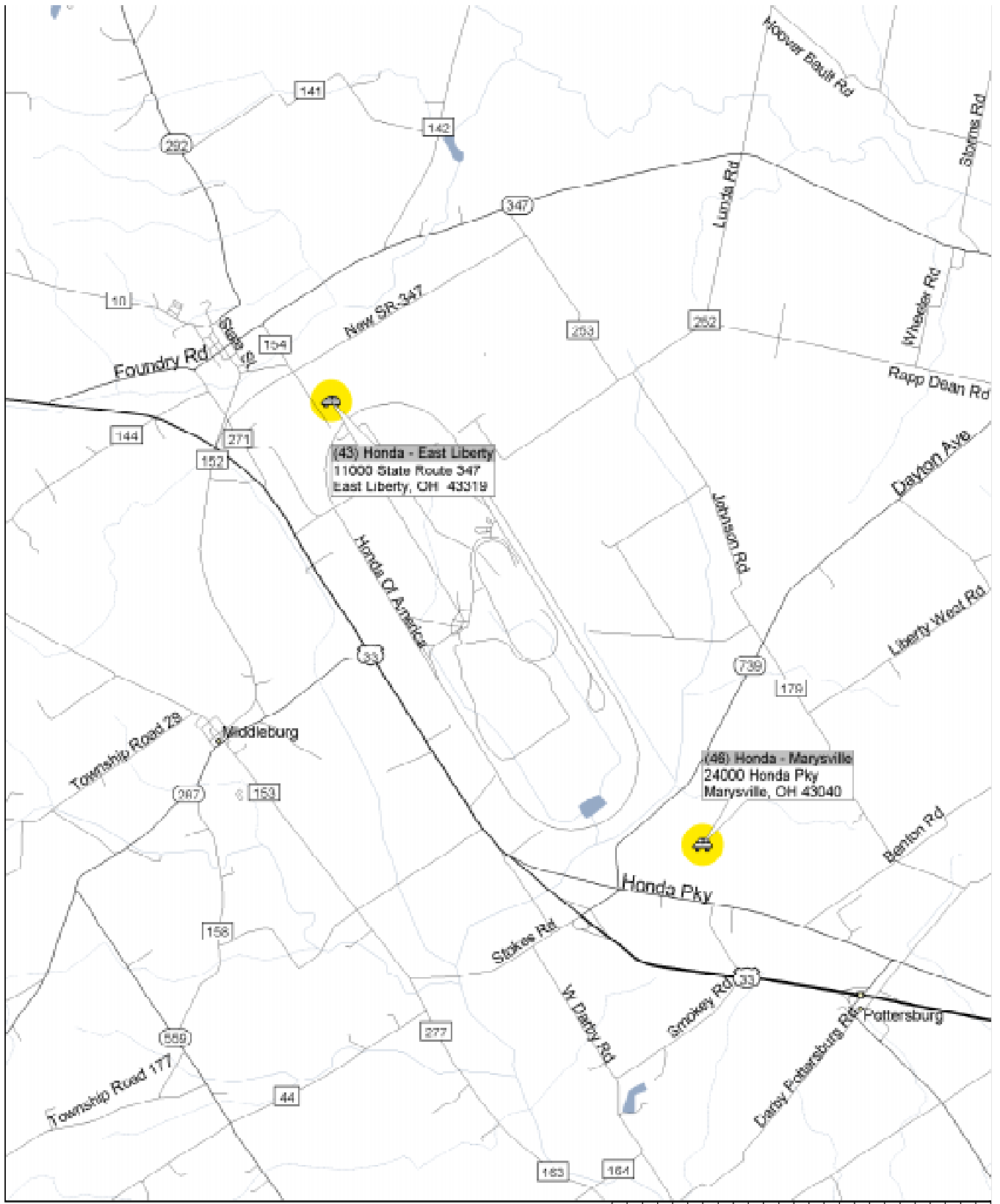
12/2/97

COMMUNITY DEMOGRAPHIC AND ECONOMIC CHARACTERISTICS

	<i>Census Block</i>	<i>0-1 Mile</i>	<i>0-3 Miles</i>	<i>1-3 Miles</i>	<i>3-5 Miles</i>	<i>County</i>	<i>State</i>	<i>U.S.</i>
Total Population (1994)	NA	NA	NA	NA	NA	44,706	11,102,268	260,340,990
Total Population (1990)	1,045	108	1,025	917	2,321	42,310	10,847,115	248,709,873
% Change 1990-1994	NA	NA	NA	NA	NA	6	2	5
Total Area (sq. mi.) (1990)	31.7	3.1	28.2	25.1	50.2	458.5	40,952.6	3,536,278.1
Population/sq. mi. (land area) (1990)	33	34	36	36	46	92	265	70
Median Household Income (1994)						NA	31,855	32,264
Median Household Income (1989)						26,857	28,706	30,056
% Change 1979-1989 (constant \$)						8	-4	7
% Change 1989-1994 (constant \$)						NA	11	7
Per Capita Personal Income (1993)						17,740	19,696	20,800
Per Capita Personal Income (1989)						14,097	16,644	17,690
% Change 1989-1993 (current \$)						26	18	18
Minority Percentage (1990)	2	0	0	0	0	2	12	20
Pct. of Households Below Poverty Level (1989)	10	8	10	10	13	30	24	20
Pct. Not Completing High School (1990)	20	18	18	18	20	25	23	25
Total Employment (1994) (civilian nonfarm)						23,547	5,537,000	131,056,000
Unemployment Rate (1994)						5	6	6
Manufacturing Employment (1993)						4,586	1,046,039	18,183,381
Mfgr. as % Total Employment (1993)						33	25	19
Manufacturing Employment (1992)						NA	1,046,000	18,253,000
Production Workers (1992)						NA	681,000	11,654,000
% Change in Mfgr. Employment 1987-1992						NA	-5	-4
Assembly Plant as % Total Mfgr. Workers						39		

Data sources used were not always complete or current.
Attempts have been made to verify data, but errors may still exist.

East Liberty & Marysville, OH, Honda Plants



Microsoft Edge

Streets98

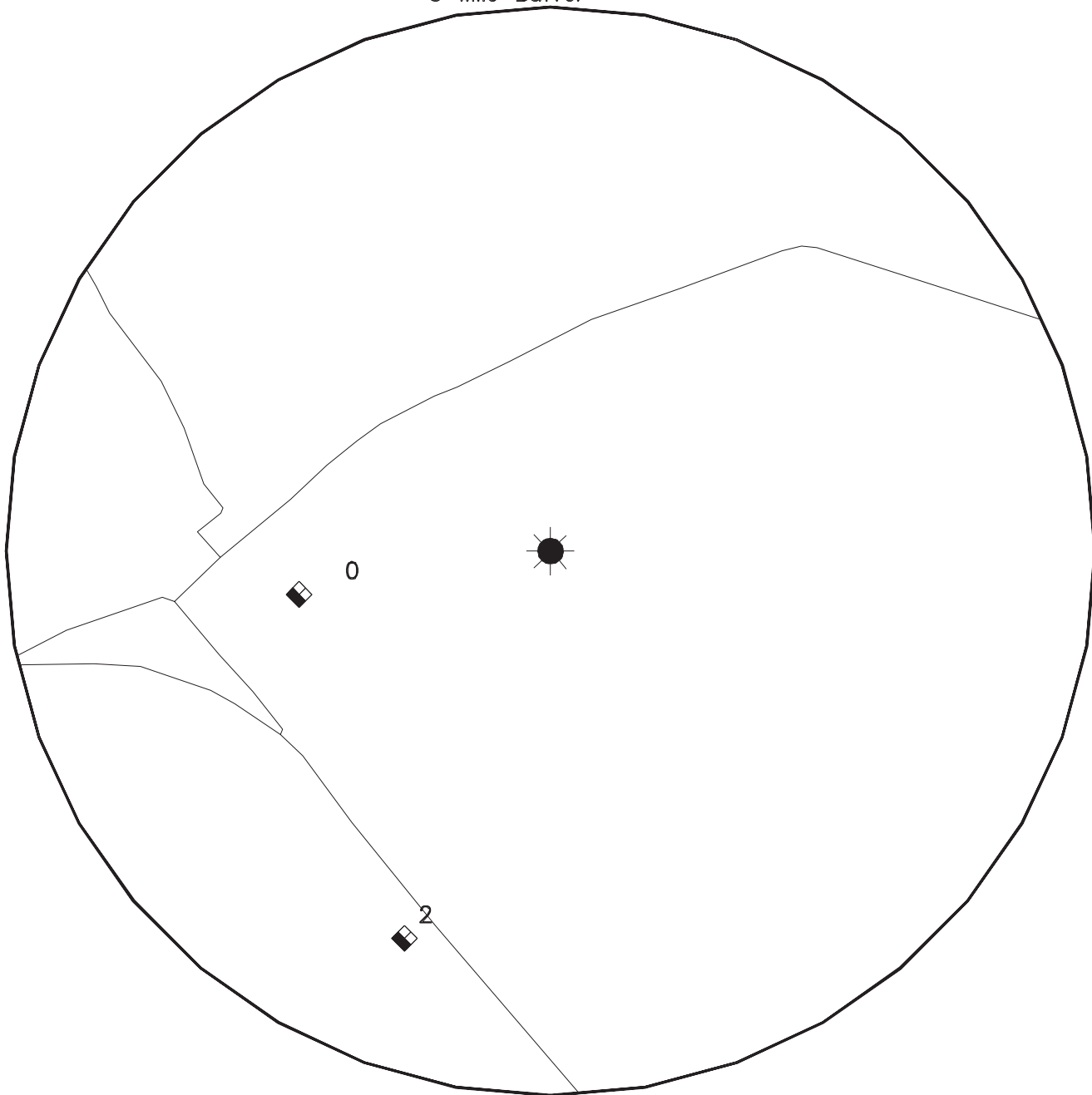
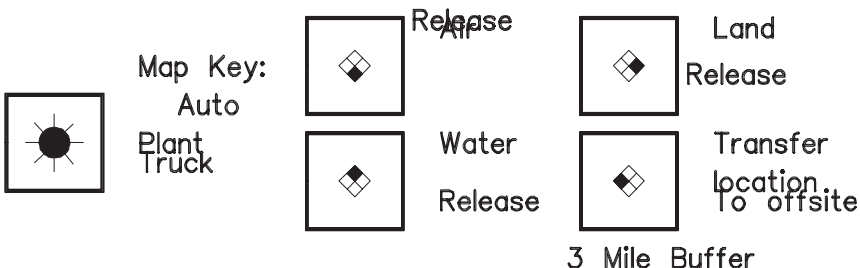
HONDA OF AMERICA MFG INC
11000 SR 347
E LIBERTY OH
Tri Number: 43319HNDFM11000

Map #	SIC	Name	Address	City	State
0	3711	HONDA OF AMERICA MFG. INC. EAST LIBERTY AUTOMOBILE	11000 ST. RTE. 347	EAST LIBERTY	OH
2	3451	FLUID POWER IND. HARDING MACHINE DIV.	13060 STATE RTE. 287	EAST LIBERTY	OH

AREA WIDE 1994 TRI EMISSION PROFILE

HONDA OF AMERICA MFG INC
LOGAN COUNTY, Ohio

Latitude: 40 19 41
Longitude: 83 34 22



Number without a Symbol denotes no reported emissions over 0.5 pounds per year

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
HONDA OF AMERICA MFG INC TRI NO: 43319HNDFM11000

Chemical Name	Air Fugitive (Non-Point Source) Emissions	Air Stack (Point Source) Emissions	Discharge to Surface Water	On-Site Land Disposal	TOTAL RELEASES	Discharge to POTW	Transfer	TOTAL TRANSFERS
HONDA OF AMERICA MFG. INC. EAST LIBERTY AUTOMOBILE SIC DESCRIPTION: MOTOR VEHICLES & CAR BODIES MAP LOCATION NO: 0								
11000 ST. RTE. 347 SIC CODE: 3711								
EAST LIBERTY OH 43319								
METHANOL	1,400	20,340	0	0	21,740	0	2,040	2,040
N-BUTYL ALCOHOL	250	26,200	0	0	26,450	0	4,050	4,050
BENZENE	250	0	0	0	250	0	15	15
1,1,1-TRICHLOROETHANE	92,300	3,570	0	0	95,870	250	221,050	221,300
DICHLOROMETHANE	250	0	0	0	250	5	0	5
METHYL ETHYL KETONE	3,900	31,100	0	0	35,000	0	770	770
NAPHTHALENE	250	3,930	0	0	4,180	0	250	250
1,2,4-TRIMETHYLBENZENE	250	750	0	0	1,000	0	4,470	4,470
CUMENE	5	250	0	0	255	0	250	250
ETHYLBENZENE	1,090	30,200	0	0	31,290	5	68,900	68,905
ETHYLENE GLYCOL	750	0	0	0	750	5	0	5
METHYL ISOBUTYL KETONE	5	250	0	0	255	0	250	250
TOLUENE	15,300	26,400	0	0	41,700	5	13,470	13,475
1,4-DIOXANE	3,800	250	0	0	4,050	0	7,130	7,130
XYLENE (MIXED ISOMERS)	6,060	140,000	0	0	146,060	0	357,005	357,005
METHYL TERT-BUTYL ETHER	5	0	0	0	5	0	5	5
COPPER	5	0	0	0	5	0	10,955	10,955
HYDROCHLORIC ACID	250	0	0	0	250	0	0	0
PHOSPHORIC ACID	250	0	0	0	250	0	0	0
NITRIC ACID	250	0	0	0	250	0	0	0
CHLORINE	5	0	0	0	5	0	0	0
CHROMIUM COMPOUNDS	0	0	0	0	0	5	510	515
GLYCOL ETHERS	2,010	79,820	0	0	81,830	0	750	750
LEAD COMPOUNDS	0	0	0	0	0	5	1,005	1,010
MANGANESE COMPOUNDS	5	0	0	0	5	250	4,250	4,500
NICKEL COMPOUNDS	5	0	0	0	5	250	3,970	4,220
ZINC COMPOUNDS	5	0	0	0	5	250	17,690	17,940
SUBTOTALS	128,650	363,060	0	0	491,710	1,030	718,785	719,815

FLUID POWER IND. HARDING MACHINE DIV. SIC DESCRIPTION: SCREW MACHINE PRODUCTS MAP LOCATION NO: 2								
13060 STATE RTE. 287 SIC CODE: 3451								
EAST LIBERTY OH 43319								
1,1,1-TRICHLOROETHANE	0	42,600	0	0	42,600	0	15,105	15,105
SUBTOTALS	0	42,600	0	0	42,600	0	15,105	15,105

Honda
E. Liberty Logan County, Ohio

Latitude: 40 19 41 N
Longitude: 83 34 22 W

MAP KEY:

- County Boundaries
- Inter State Highway
- US Highway
- Rail Road
- One Mile
- Three Miles
- Five Miles

POPULATION DENSITY / SQ. MILE

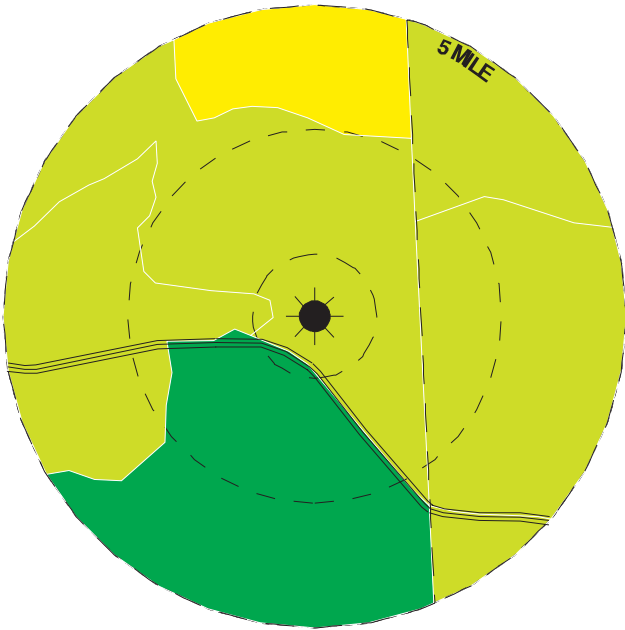
- Greater than 10000
- 1000 - 10000
- 100 - 1000
- 10-100
- 1-10

Minority, poverty, and High School Incomplete percentages

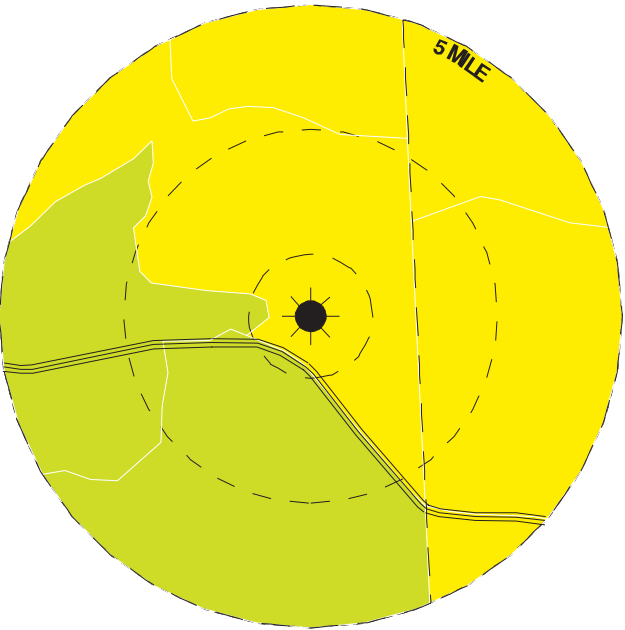
- Greater than 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
- 0 - 10



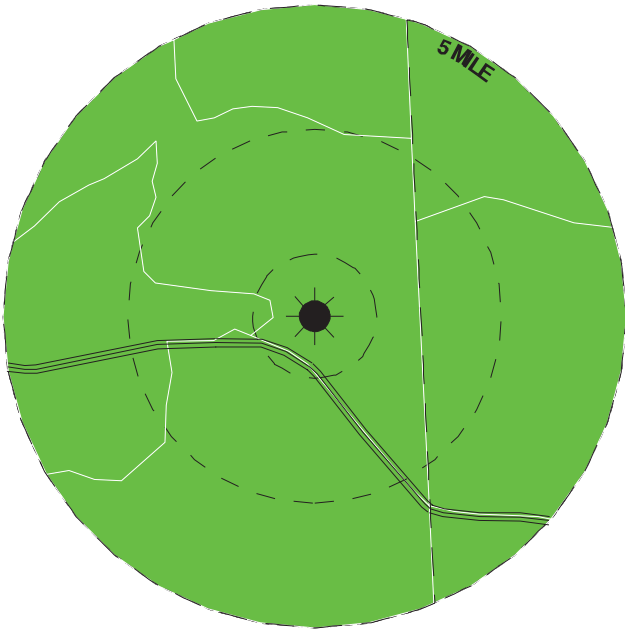
Percentage of Total Population Below Poverty Level



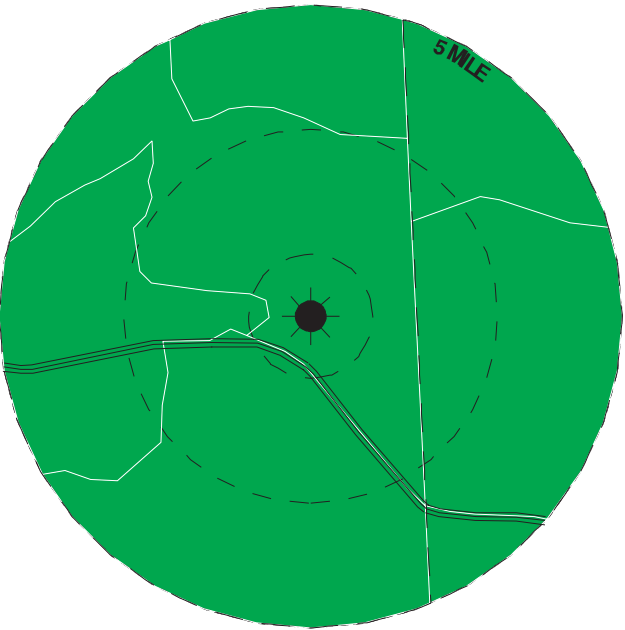
Percentage of Population not Completing High School



Population Density People Per Sq. Mile



Minority Population Percent of Total Population



Honda

E. Liberty Logan County, Ohio

Latitude: 40 19 41 N
Longitude: 83 34 22 W

MAP KEY:

- County Boundries
- Inter State Highway
- US Highway
- Rail Road
- One Mile
- Three Miles
- Five Miles

POPULATION DENSITY / SQ. MILE

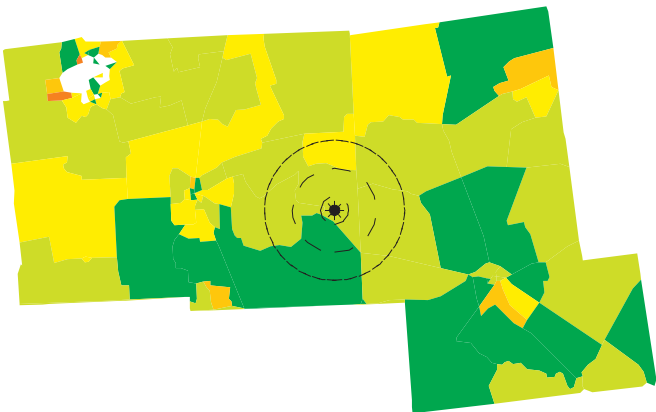
- Greater than 10000
- 1000 - 10000
- 100 - 1000
- 10-100
- 1-10

Minority, poverty, and High School Incomplete percentages

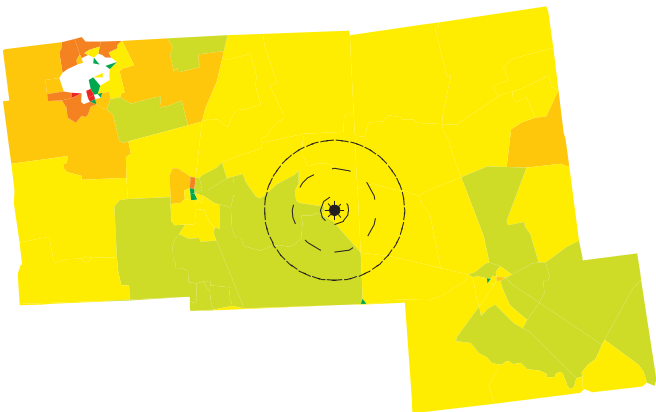
- Greater than 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
- 0 - 10



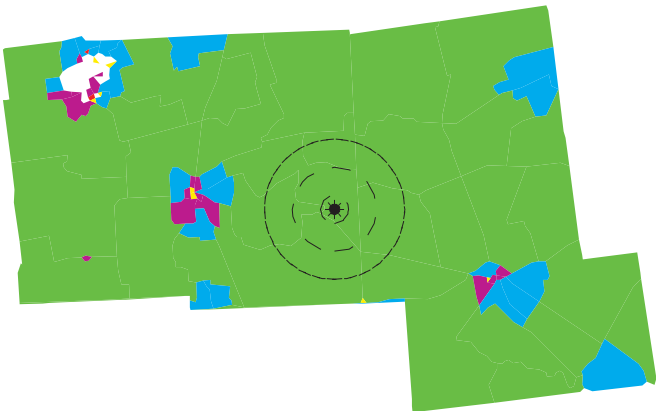
Percentage of Total Population Below Poverty Level



Percentage of Population not Completing High School



Population Density
People Per Sq. Mile



Minority Population
Percent of Total Population

